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Date:

3/28/89

FAX No. Called:

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To:

Delbert Eatough

Subject:

Intercompany Paper

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JOHN B. PIERCE FOUNDATION LABORATORY

290 CONGRESS AVENUE

NEW HAVEN, CONNECTICUT 06519

AFFILIATED WITH
YALE UNIVERSITY

March 27, 1989

Dr. Delbert Eatough
Brigham Young University
Chemistry Department
276 FB
Provo, Utah 84602

Dear Delbert:

I have looked over the recent draft of the intercomparison study (Feb. 24, 1989), and have a number of major comments. In the interest of time I'll briefly list some of the major points. As the manuscript takes shape, hopefully in the next draft, I'll offer some more detailed comments.

1. The manuscript is unacceptable in its present form and cannot be submitted for publication or presented at a scientific meeting. Extensive revisions are still needed before it is acceptable to me. Many of the major issues I raised in the first draft have not been addressed in this second draft (please reference my previous letter).
2. The Introduction is unacceptable. The paper is a comparison of measurement methods, it is not appropriate to discuss the suitability of vapor or particle phase nicotine as a marker for ETS.
3. I fully support Kathy's comments in her March 13th letter, particularly those dealing with the corrections of the Reynolds data, "agreement" between BYU and BU denuders, and recovery of spiked filters. All her comments need to be adequately addressed.
4. The first paragraph of the Discussion is wrong and misleading and has to be changed (see Kathy's letter and my previous letter).
5. The original data, not corrected, should be presented and discussed.
6. The statistical analysis of the data is without focus and sometimes without purpose, i.e., the linear regression analysis.
7. The Discussion is not focused and needs work.
8. Concentrations need to be presented in $\mu\text{g}/\text{m}^3$ as well as nmol/m^3 .
9. ES&T sounds good.

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I look forward to the next draft in which, I hope, all the major issues raised by me and others will be adequately addressed. At that time I'll offer you more detailed comments on the small points as well as provide you with acknowledgements.

Sincerely,



Brian P. Leaderer

BPL/bac

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